

## SAFE

### I CLAIM:

1. A safe comprising:

2           an enclosure including

                  a frame having a top, bottom, front, and back; said front of said frame

4   having an opening therein; said frame including:

                  a hinge side wall having a length; and

6                   a latch side wall opposing said hinge side wall and having a length;

and

8                   a door movable between closed and open positions including:

                  an outer face; and

10                   an inner face; said inner face in the closed door position for

covering said opening of said front of said frame;

12           a hinge within said enclosure hingedly connecting said door to said hinge side wall for opening and closing said door;

14           a latch for holding said door in the closed position including:

                  finger means including:

16                   catch means; said finger means connected to said inner face of said door and projecting rearward such that said catch means is disposed within said enclosure

18   along substantially the length of said latch side wall with said door in the closed position;

                  a latch plate including:

20                   engaging means; said latch plate mounted to said frame within said enclosure adjacent substantially the length of said latch side wall; said latch plate

22   movable between a latching position wherein said engaging means engages said catch means of said finger means along substantially the length of said latch side wall with said

24   door in the closed position such that said door cannot open and an unlatching position

wherein said engaging means does not engage said catch means;

26 latch plate moving means connected to said latch plate for moving said  
latch plate between the latching position and the unlatching position; said moving means  
28 actuated from external said enclosure; and  
locking means including:  
30 a main bolt mounted to said frame within said enclosure; said bolt  
movable between a locking position wherein said bolt engages said latch plate such that  
32 said latch plate cannot move to the unlatching position and an unlocking position wherein  
said main bolt does not prevent said latch plate from moving to the unlatching position;  
34 main bolt moving means for moving said main bolt between the locking  
position and the unlocking position; said main bolt moving means accessed from external  
36 said frame; and  
a first lock including:  
38 a bolt; and  
lock actuation means; said first lock mounted to said frame and  
40 actuated by said first lock actuation means from external said frame between a locking  
position wherein said first lock bolt engages said main bolt such that said main bolt  
42 cannot move from the locking position to an unlocked position wherein said first lock  
bolt does not prevent said main bolt from moving to the unlocked position.

2. The safe of Claim 1 wherein said first lock is a key lock and said actuation means is a  
2 keyway through said frame

3. The safe of Claim 1 wherein said latch plate moving means, said main bolt moving  
2 means, and said first lock actuation means act through said latch side wall.

4. The safe of Claim 1 further including:  
2 a second lock including:  
a bolt; and  
4 lock actuation means; said second lock mounted to said frame and  
actuated by said second lock actuation means from external said frame between a locking  
6 position wherein said second lock bolt engages said main bolt such that said main bolt

cannot move from the locking position to an unlocked position wherein said second lock  
8 bolt does not prevent said main bolt from moving to the unlocked position.

5. The safe of Claim 4 wherein said second lock is electronic and actuated by a remote  
2 control.

6. The safe of Claim 4 wherein said second lock is electronic and actuated by a keypad  
2 on the outside of said frame.

7. A wall safe for disposition in a wall; said safe comprising:  
2 an enclosure including  
a frame having a top, bottom, front, and back and having a back portion  
4 for disposition in the wall and a front portion; said front of said frame having an opening  
therein; said frame including:  
6 securing means for securing said frame in a wall;  
a hinge side wall having a length; and  
8 a latch side wall opposing said hinge side wall and having a length;  
and  
10 a door movable between closed and open positions including:  
an outer face; and  
12 an inner face; said inner face in the closed door position for  
covering said opening of said front of said frame;  
14 a hinge within said enclosure hingedly connecting said door to said hinge side  
wall for opening and closing said door;  
16 a latch for holding said door in the closed position including:  
finger means including:  
18 catch means; said finger means connected to said inner face of said  
door and projecting rearward such that said catch means is disposed within said enclosure  
20 along substantially the length of said latch side wall with said door in the closed position;  
a latch plate including:

22 engaging means; said latch plate mounted to said frame within said  
enclosure adjacent substantially the length of said latch side wall; said latch plate  
24 movable between a latching position wherein said engaging means engages said catch  
means of said finger means along substantially the length of said latch side wall with said  
26 door in the closed position such that said door cannot open and an unlatching position  
wherein said engaging means does not engage said catch means;  
28 latch plate moving means for moving said latch plate between the latching  
position and the unlatching position; said moving means actuated from external said  
30 enclosure; and  
locking means including:  
32 a main bolt mounted to said frame within said enclosure; said bolt  
movable between a locking position wherein said bolt engages said latch plate such that  
34 said latch plate cannot move to the unlatching position and an unlocking position wherein  
said main bolt does not prevent said latch plate from moving to the unlatching position;  
36 main bolt moving means for moving said main bolt between the locking  
position and the unlocking position; said main bolt moving means accessed from external  
38 said frame; and  
a first lock including:  
40 a bolt; and  
actuation means; said first lock mounted to said frame and actuated  
42 by said actuation means from external said frame between a locking position wherein  
said first lock bolt engages said main bolt such that said main bolt cannot move from the  
44 locking position to an unlocked position wherein said first lock bolt does not prevent said  
main bolt from moving to the unlocked position.

8. The safe of Claim 7 wherein said first lock is a key lock and said actuation means is a  
2 keyway through said frame.

9. The safe of Claim 7 wherein said latch plate moving means, said main bolt moving  
2 means, and said first lock actuation means act through said latch side wall

10. The safe of Claim 7 further including:

2           a second lock including:

                  a bolt; and

4           lock actuation means; said second lock mounted to said frame and  
actuated by said second lock actuation means from external said frame between a locking  
6 position wherein said second lock bolt engages said main bolt such that said main bolt  
cannot move from the locking position to an unlocked position wherein said second lock  
8 bolt does not prevent said main bolt from moving to the unlocked position.

11. The safe of Claim 10 wherein said second lock is electronic and actuated by a remote  
2 control.

12. The safe of Claim 10 wherein said second lock is electronic and actuated by a keypad  
2 on the outside of said frame.

13. In combination:

2           a wall having a front including:

                  framing including:

4                       a pair of spaced wall studs;

                  a wall safe comprising:

6                       an enclosure including

                              a frame having a top, bottom, front, and back and a width equal to  
8 the lateral spacing of said wall studs, and having a back portion for retention in said wall;  
said front of said frame having an opening therein; said frame including

10                               a hinge side wall having a length; and

                              a latch side wall opposing said hinge side wall and having a  
12 length; and

                              a door movable between closed and open positions including:

14                               an outer face; and

                              an inner face; said inner face in the closed door position for  
16 covering said opening of said front of said frame;

securing means for securing said wall safe to said wall framing;

18 a hinge within said enclosure hingedly connecting said door to said hinge  
side wall for opening and closing said door;

20 a latch for holding said door in the closed position including:  
finger means including:

22 catch means; said finger means connected to said inner face  
of said door and projecting rearward such that said catch means is disposed within said  
24 enclosure along substantially the length of said latch side wall with said door in the  
closed position;

26 a latch plate including:  
engaging means; said latch plate mounted to said frame  
28 within said enclosure adjacent substantially the length of said latch side wall; said latch  
plate movable between a latching position wherein said engaging means engages said  
30 catch means of said finger means along substantially the length of said latch side wall  
with said door in the closed position such that said door cannot open and an unlatching  
32 position wherein said engaging means does not engage said catch means;

latch plate moving means for moving said latch plate between the  
34 latching position and the unlatching position; said moving means actuated from external  
said enclosure; and

36 locking means including:  
a main bolt mounted to said frame within said enclosure; said bolt  
38 movable between a locking position wherein said bolt engages said latch plate such that  
said latch plate cannot move to the unlatching position and an unlocking position wherein  
40 said main bolt does not prevent said latch plate from moving to the unlatching position;

main bolt moving means for moving said main bolt between the  
42 locking position and the unlocking position; said main bolt moving means accessed from  
external said frame; and

44 a first lock including:  
a bolt; and

46 actuation means; said first lock mounted to said frame and  
actuated by said actuation means from external said frame between a locking position

48 wherein said first lock bolt engages said main bolt such that said main bolt cannot move  
from the locking position to an unlocked position wherein said first lock bolt does not  
50 prevent said main bolt from moving to the unlocked position.

14. The combination of Claim 13 wherein said latch plate moving means, said main bolt  
2 moving means, and said first lock actuation means act through said latch side wall.

15. The combination of Claim 13 further including:  
2 a second lock including:  
a bolt; and  
4 lock actuation means; said second lock mounted to said frame and  
actuated by said second lock actuation means from external said frame between a locking  
6 position wherein said second lock bolt engages said main bolt such that said main bolt  
cannot move from the locking position to an unlocked position wherein said second lock  
8 bolt does not prevent said main bolt from moving to the unlocked position.

16. The combination of Claim 15 wherein said second lock is electronic; and wherein  
2 said latch plate moving means, said main bolt moving means, and said first lock actuation  
means act through said latch side wall.

17. The combination of Claim 15 wherein said second lock is electronic and actuated by  
2 a remote control.

18. The combination of Claim 15 wherein said second lock is electronic and actuated by  
2 a keypad on the outside of said frame.

19. The combination of Claim 13 wherein said hinge side wall and said latch side wall  
2 are horizontal.

20. The combination of Claim 18 wherein said hinge side wall is below said latch side  
2 wall.

21. The combination of Claim 18 further including stop means for preventing said door  
2 from opening past a desired point.